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**TRANSMITTAL  
FORM**

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Total Number of Pages in This Submission

18

Application Number

10/045,587

Filing Date

November 6, 2001

First Named Inventor

Kent RYHORCHUK et al.

Art Unit

2638

Examiner Name

David C. Payne

Attorney Docket Number

10.0863.CIP

**ENCLOSURES (Check all that apply)**

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input checked="" type="checkbox"/> Amendment/Reply (17 pages)	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
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<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
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**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm Name	DOUGHERTY CLEMENTS		
Signature	<i>Christopher L. Bernard</i>		
Printed name	Christopher L. Bernard		
Date	January 12, 2006	Reg. No.	48,234

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Date of Deposit: January 12, 2006

Type of Document(s): Transmittal Form (PTO/SB/21)  
Amendment and Response to Final Office Action  
(17 pages)  
Postcard Filing Receipt

Application No.: 10/045,587

Filing Date: November 6, 2001

Applicant(s): Kent RYHORCHUK et al.

Title: FAULT DETECTION AND ISOLATION IN  
AN OPTICAL NETWORK

Examiner: David C. Payne

Art Unit: 2638

Attorney Docket No.: 10.0863.CIP

I hereby certify that the above-referenced documents are being/have been deposited with the United States Postal Service "Express Mail Post Office to Addressee" in accordance with 37 CFR 1.10 on the above-referenced date and are being/have been addressed to: **Mail Stop AF, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450 USA.**

Barbara C. Brown  
Barbara C. Brown  
Paralegal



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s)	)	Kent RYHORCHUK et al.
Application No.	)	10/045,587
Filing Date	)	November 6, 2001
Title	)	FAULT DETECTION AND ISOLATION IN AN OPTICAL NETWORK
Examiner	)	David C. Payne
Art Unit	)	2638

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**AMENDMENT AND RESPONSE TO FINAL OFFICE ACTION**

Dear Sir/Madam:

In response to the final Office Action mailed November 14, 2005, rejecting Claims 1-26, 28 and 29 of the above-referenced application, in which Claims 1-26, 28 and 29 are pending, Applicants respectfully request that the following amendments be entered and remarks be considered. In view of these amendments and remarks, Applicants submit that the Application is now in condition for allowance, without further search, and respectfully request such action.